

## ABSTRACT

### **PROVISION OF SERVICES BY RESERVING RESOURCES IN A COMMUNICATIONS NETWORK HAVING RESOURCES MANAGEMENT ACCORDING TO POLICY RULES**

A system (RMS) is dedicated to the management of resources within a communications network comprising a multiplicity of resources (NEQ, NEL) able to fulfill an assigned network role, defined by policy rules. The system (RMS) comprises i) policy management means (PM) charged with formulating the policy rules, ii) monitoring means (NRC) coupled to the resources (NEQ, NEL) and charged, when they receive a service provision request, with selecting a resource that satisfies a network role corresponding to the service, from among certain resources of the network which have not yet been associated with a processing role associated with the requested service, and with associating with this selected resource a processing role associated with the requested service, and iii) a policy server (PS) coupled to the monitoring means (NRC) and to the management means (PM) and charged with storing the policy rules and, when it receives the designation of the resource selected and of the associated network and processing roles, with determining from among the policy rules stored the policy rules which define the network role associated with the processing role so as to transmit them to the selected resource (NEQ, NEL) so that it instigate them.

(Figure 1)